

ABSTRACT OF THE DISCLOSURE

An abnormality determining device for a longitudinal acceleration sensor for a vehicle has: a first acceleration
5 estimating unit based on a wheel speed; a second acceleration
estimating unit based on the throttle angle; a
determination-permission deciding unit for setting a
determination-permission region based on the estimated values
of the first and second acceleration estimating unit so as to
10 output a determination-permission signal when a deviation
between the vehicle acceleration by the first acceleration
estimating unit and by the second acceleration estimating unit
is within a predetermined value; and a determining unit for
setting an abnormality determining region based on the vehicle
15 acceleration estimated by the second acceleration estimating
unit and for determining that the longitudinal acceleration
sensor is abnormal, if the output value of the longitudinal
acceleration sensor exists in the abnormality determining region
for a predetermined time or longer in a state that a
20 determination-permission signal is output.